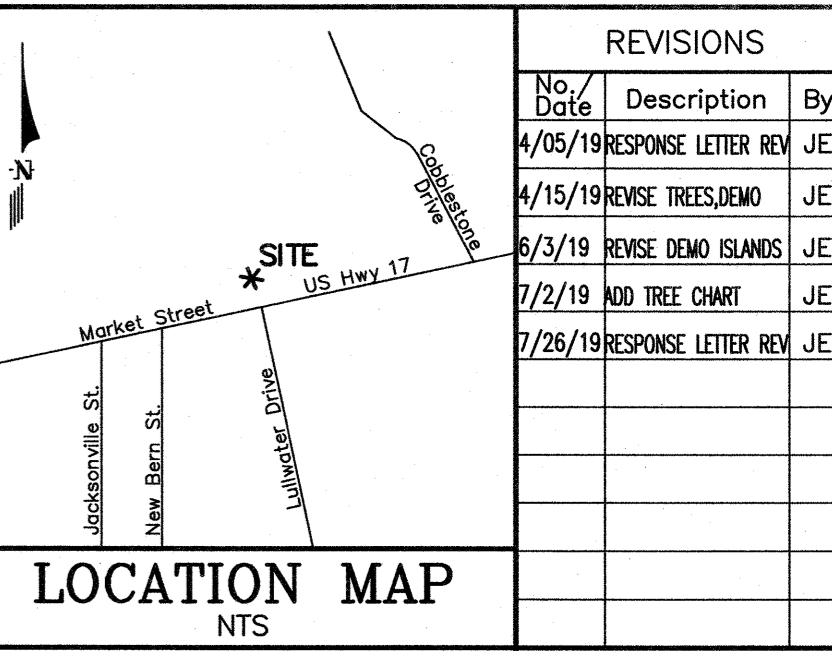


- SITE INVENTORY NOTES:**
- PREPARER OF THE PLAN: TRIPP ENGINEERING, P.C.
 - APPLICANT NAME: SERAI ENTERPRISES, INC.
 - SITE ADDRESS OF THE DEVELOPMENT: 5001 MARKET STREET
 - PROPERTY OWNER: SERAI ENTERPRISES, INC.
 - DEVELOPER: SERAI ENTERPRISES, INC.
 - PROPERTY BOUNDARY: SEE PLAN
TAX PARCEL INFORMATION: R04915-001-010-000
 - PROPERTY ZONING: RB; REGIONAL BUSINESS DISTRICT
 - ADJACENT PROPERTY OWNER INFORMATION: SEE PLAN
 - VICINITY MAP: SEE PLAN
 - TOPOGRAPHY: SEE PLAN
 - 100-YEAR FLOOD BOUNDARY: N/A
 - EXISTING DITCHES, CREEKS AND STREAMS: NONE
 - SOIL: Ur; URBAN LAND AND Se; SEAGATE FINE SAND
 - CAMA AEC: N/A
 - CAMA LAND CLASSIFICATION: URBAN
 - CONSERVATION RESOURCES: NONE
ASSOCIATED SETBACKS: N/A
 - HISTORIC OR ARCHAEOLOGICAL SITE: N/A
 - CEMETERIES, BURIAL SITES/GROUNDS: N/A
 - FORESTED AREAS, HABITAT AND DOMINANT SPECIES: N/A
 - WETLANDS: NONE
 - PROTECTED SPECIES OR HABITAT: N/A
 - EXISTING OR PROPOSED THROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS AND TRANSIT FACILITIES: SEE SITE PLAN
 - EXISTING TREES: SEE PLAN

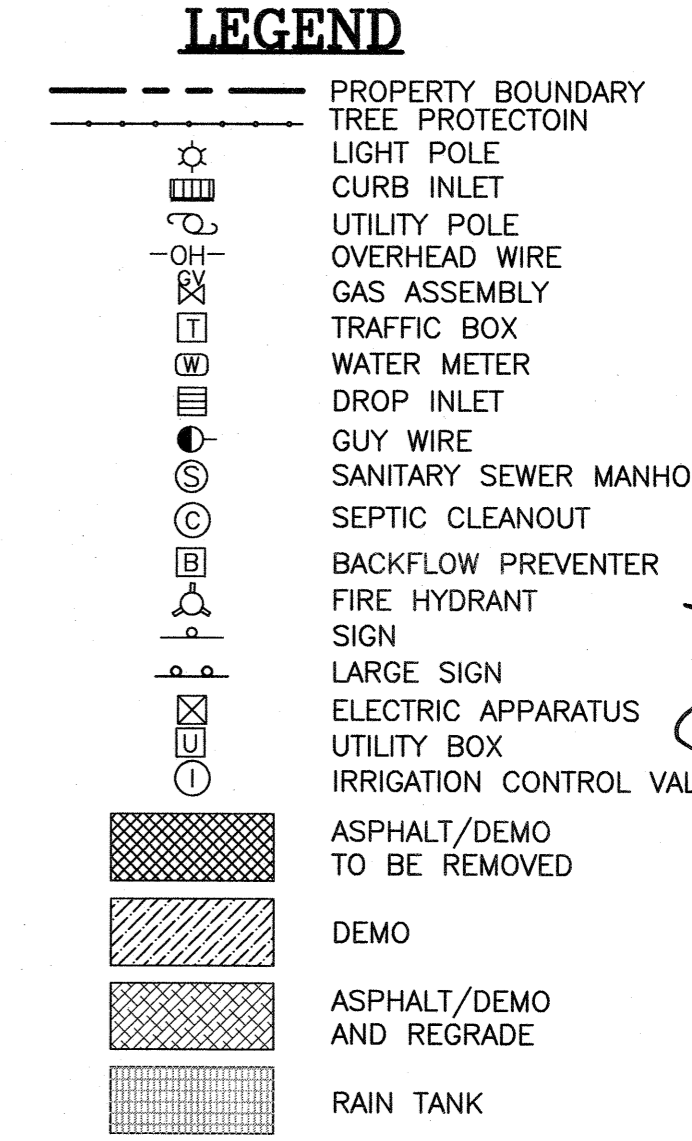


REVISIONS		
No./Date	Description	By
4/05/19	RESPONSE LETTER REV	JET
4/15/19	REMOVE TREES/DEMO	JET
6/3/19	REMOVE DEMO ISLANDS	JET
7/2/19	ADD TREE CHART	JET
7/26/19	RESPONSE LETTER REV	JET

INVENTORY OF TREES TO BE REMOVED			INVENTORY OF TREES TO BE PRESERVED				CREDIT FOR PRESERVED TREES			
TREE TYPE	TREE SIZE	QUANTITY	TREE TYPE	TREE SIZE	QUANTITY	TOTAL DBH	DBH	CREDIT PER	QUANTITY	CREDIT
PINE	20"	1	PINE	19"	1	19	2-5	1	3	3*1 = 3
PINE	21"	2	GUM	24"	1	24	12-17	3	1	3*1 = 3
PINE	22"	3	MAPLE	20"	1	20	18-23	4	2	2*4 = 8
PINE	23"	1	HOLLY	5"	1	5	>24	(DBH/6)	1	2*4 = 8
PINE	24"	5	TWIN HOLLY	5"/6"	1	10			1	2*4 = 8
PINE	25"	2	GREPE MYRTLE CLUSTER	14"	1	14				
PINE	26"	2								
BRADFORD PEAR	8"	1								
BRADFORD PEAR	9"	1								
TREES (CREDIT)										18

TREE MITIGATION CHART				
TREE TYPE	TREE SIZE	# OF TREES	% MITIGATION	REPLACEMENT TREES REQUIRED
PINE	20 IN.	1	100	20x1.00/3=6
PINE	21 IN.	2	100	42x1.00/3=14
PINE	22 IN.	3	100	66x1.00/3=22
PINE	23 IN.	1	100	23x1.00/3=7
*PINE	24 IN.	5	100	120x(1.00X2)/3=80
*PINE	25 IN.	2	100	50x(1.00X2)/3=33
*PINE	26 IN.	2	100	52x(1.00X2)/3=34

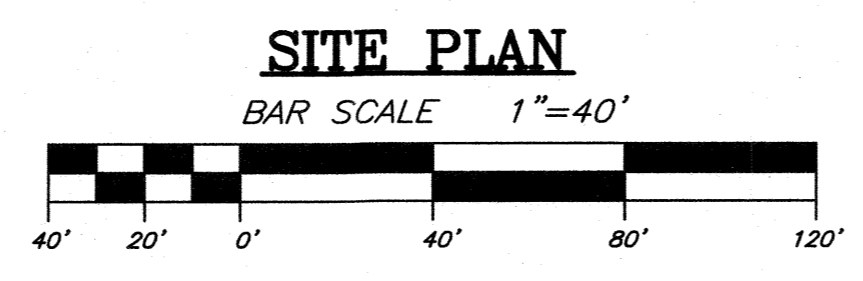
NOTES:
 TOTAL REPLACEMENT TREES REQUIRED = 196 TREES,
 18 TREES (CREDIT)
 178 TREES
 TOTAL: 178" / 2 = 89 TREE 2" CAL. TO BE MITIGATED X \$350 PER TREE = \$31,150 TO BE PAID IN LIEU.
 *INDICATES SIGNIFICANT TREE



CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____

Approved Construction Plan		
Name	Date	
Planning		
Traffic		
Fire		

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
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 LICENSE NO. C-127

TRU & TAPESTRY HOTEL
 5001 MARKET STREET
 WILMINGTON, NORTH CAROLINA

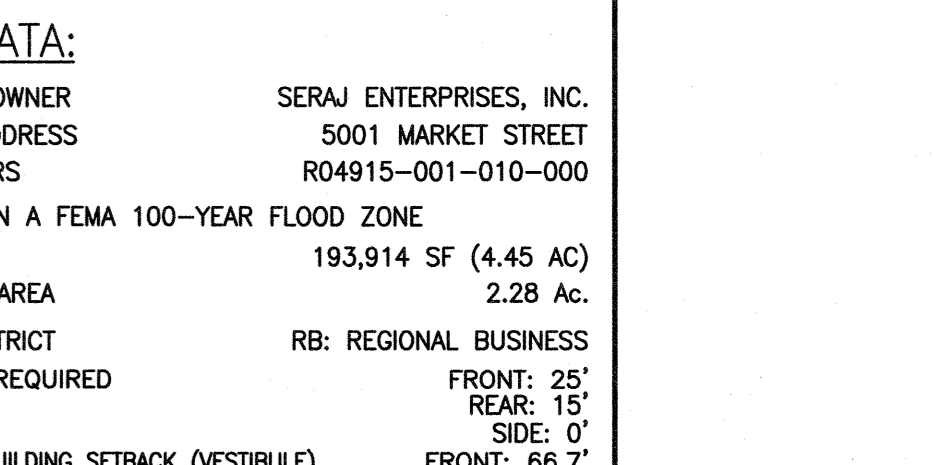


PROGRESS DRAWING
 DO NOT USE FOR CONSTRUCTION

DATE 02-08-19
 DESIGN PGT
 DRAWN JET

C1
 SHEET 1 OF 7
 17068

REVISIONS		
No.	Date	Description
4/05/19		RESPONSE LETTER REV JET
4/15/19		REVERSE PARKING JET
6/3/19		FLIP ANGLE PARKING JET
7/2/19		REVERSE REAR BUFFER JET
7/26/19		RESPONSE LETTER REV JET



SITE DATA:

PROPERTY OWNER	SERAJ ENTERPRISES, INC.
PROJECT ADDRESS	5001 MARKET STREET
PIN NUMBERS	R04915-001-100-000
AREA NOT IN A FEMA 100-YEAR FLOOD ZONE	
TRACT AREA	193,914 SF (4.45 AC)
DISTURBED AREA	2.28 AC
ZONING DISTRICT	RB: REGIONAL BUSINESS
SETBACKS REQUIRED	FRONT: 25' REAR: 15' SIDE: 0'
PROPOSED BUILDING SETBACK (VESTIBULE)	FRONT: 66.7' REAR: - SIDE: 124.8'
PROPOSED BUILDING SETBACK (HOTEL)	FRONT: - REAR: 65.9' SIDE: 66.6'

CAMA LAND USE

BUILDING USE	HOTEL
PROPOSED BUILDING AREA	SF
BUILDING LOT COVERAGE (53,483/193,914)	27.58%
NUMBER OF BUILDINGS	2
EXISTING UNITS	100
PROPOSED UNITS	107
TOTAL UNITS	207
BUILDING HEIGHT (HOTEL/VESTIBULE)	40'/20'
NUMBER OF STORIES (HOTEL/VESTIBULE)	4/1
GROSS SF PER FLOOR (HOTEL)	
GROUND FLOOR	13,469 SF
2ND, 3RD & 4TH FLOORS	13,201 SF
GROSS SF PER FLOOR (VESTIBULE)	369 SF
ASPHALT TO BE REMOVED AND RE GRADED	14,996 SF

EXISTING IMPERVIOUS AREAS:

EXISTING IMPERVIOUS AREAS	38,893 SF
EXISTING ASPHALT	83,976 SF
EXISTING CONCRETE	10,838 SF
EXISTING POOL (TO BE REMOVED)	4,336 SF
EXISTING IMPERVIOUS AREA	138,043 SF
EXISTING IMPERVIOUS TO BE REMOVED	-24,125 SF
EXISTING IMPERVIOUS AREA	113,918 SF

PROPOSED ON SITE IMPERVIOUS AREAS:

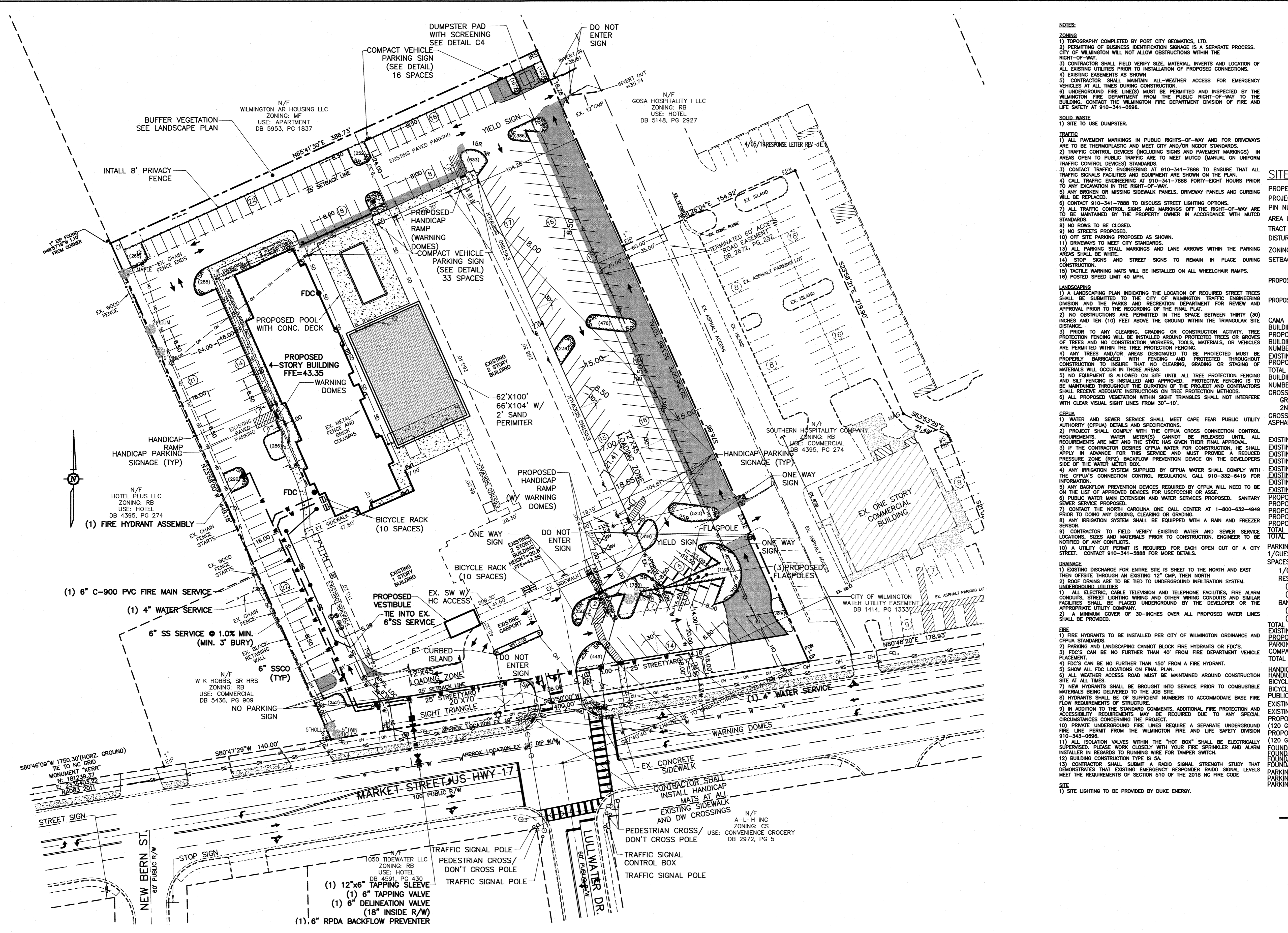
PROPOSED BUILDING (CANOPY/VEST.)	14,345 SF
PROPOSED POOL DECK	2,744 SF
PROPOSED CONCRETE	4,888 SF
PROPOSED ASPHALT & CURBING	13,542 SF
TOTAL ON SITE IMPERVIOUS AREA	149,437 SF (24.68%)
TOTAL OFF SITE IMPERVIOUS SIDEWALK AREA	247 SF

PARKING REQUIRED:

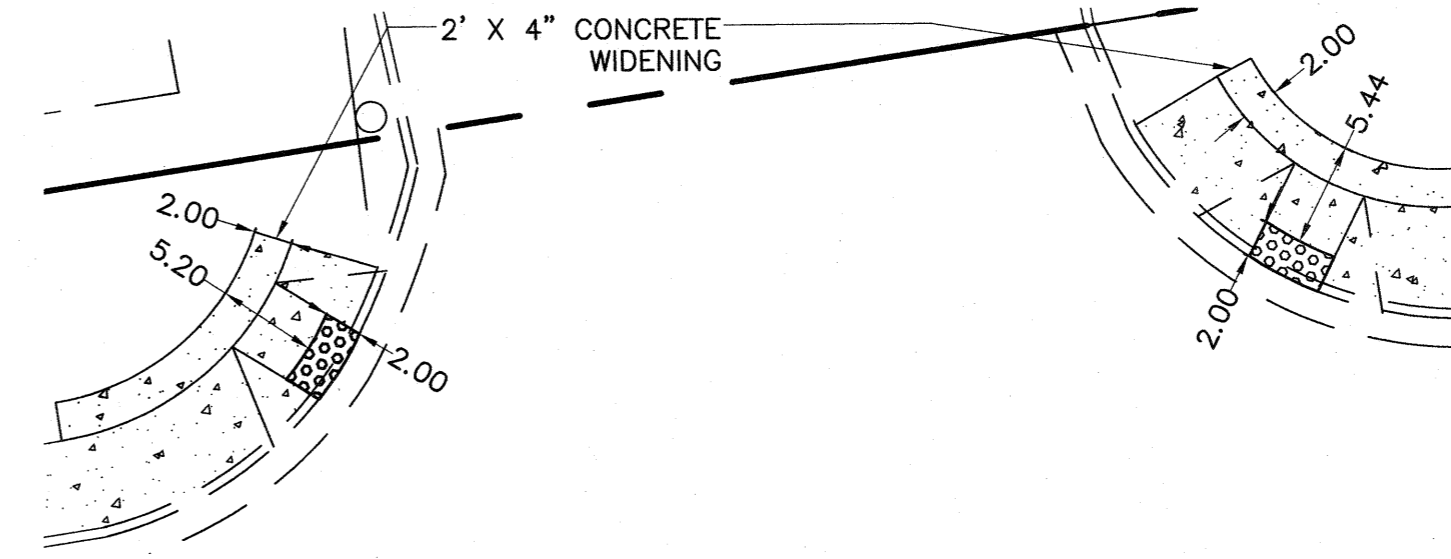
1/GUEST ROOM PLUS 50% OF THE REQUIRED SPACES FOR ANY ACCESSORY USES	
1/GUEST ROOM (207 ROOMS)	207
RESTAURANT	
(1/80 SF MIN x 50% & 1/65 SF MAX x50%)	
(2000 SF/80x50% & 2000 SF/65x50%)	13-15
BANQUET HALL	
(1/80 SF MIN x 50% & 1/65 SF MAX x50%)	
(2575 SF/80x50% & 2575 SF/65x50%)	16-20
TOTAL PARKING REQUIRED	236-242
EXISTING SITE PARKING SPACES	236
PROPOSED PARKING	187
PARKING PROVIDED	48
TOTAL PARKING PROVIDED	236
HANDICAP SPACES REQUIRED	7
HANDICAP SPACES PROVIDED	15
BICYCLE PARKING REQUIRED	15
BICYCLE PARKING PROVIDED	20
PUBLIC WATER AND SEWER BY CFPWA	
EXISTING WATER FLOW:	13,200 GPD
EXISTING SEWER FLOW:	12,000 GPD
PROPOSED WATER FLOW:	
(120 GPD PER ROOM x 207 ROOMS x 110%)	27,324 GPD
PROPOSED SEWER FLOW:	
(120 GPD PER ROOM x 207 ROOMS)	24,840 GPD
FOUNDATION PLANTING REQUIRED NORTH	274
FOUNDATION PLANTING PROVIDED NORTH	455
FOUNDATION PLANTING REQUIRED WEST	591
FOUNDATION PLANTING PROVIDED WEST	827
PARKING AREA PLANTING REQUIRED	83,718 *0.08
PARKING AREA PLANTING PROVIDED	6,697
TOTAL	7,082

LEGEND

---	PROPERTY BOUNDARY
○	LIGHT POLE
○	CURB INLET
○	UTILITY POLE
○	OVERHEAD WIRE
○	GAS ASSEMBLY
○	TRAFFIC BOX
○	WATER METER
○	DROP INLET
○	GUY WIRE
○	SANITARY SEWER MANHOLE
○	SEPTIC CLEANOUT
○	BACKFLOW PREVENTER
○	FIRE HYDRANT
○	SIGN
○	LARGE SIGN
○	ELECTRIC APPARATUS
○	UTILITY BOX
○	IRRIGATION CONTROL VALVE
SS	PROPOSED SEWER
W	PROPOSED WATER
SD	PROPOSED STORM WATER
■	RAIN TANK



SITE PLAN
BAR SCALE 1"=40'

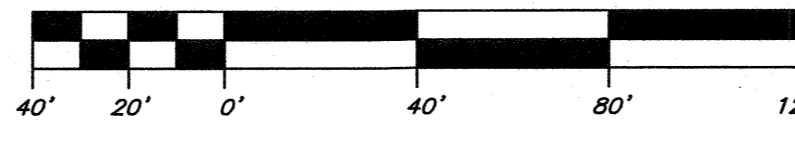


CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

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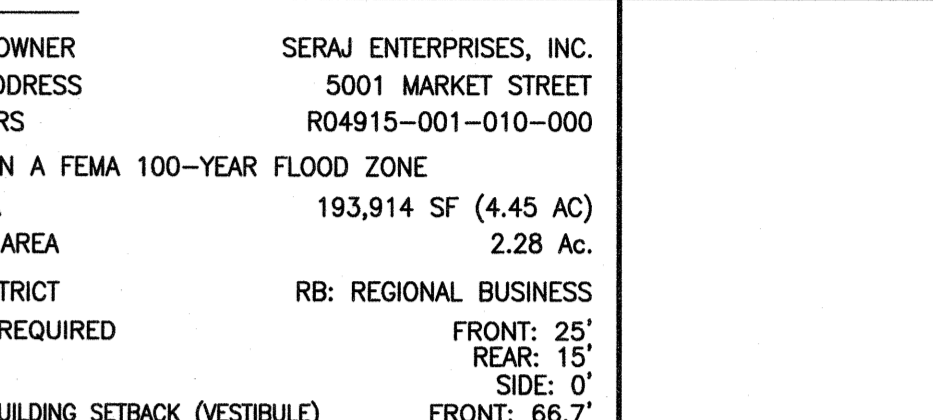
PROGRESS DRAWING
DO NOT USE FOR CONSTRUCTION

DATE 02-08-19
DESIGN PGT
DRAWN JET

C2

SHEET 2 OF 7
17068

REVISIONS		
No.	Date	Description
4/05/19		RESPONSE LETTER REV JET
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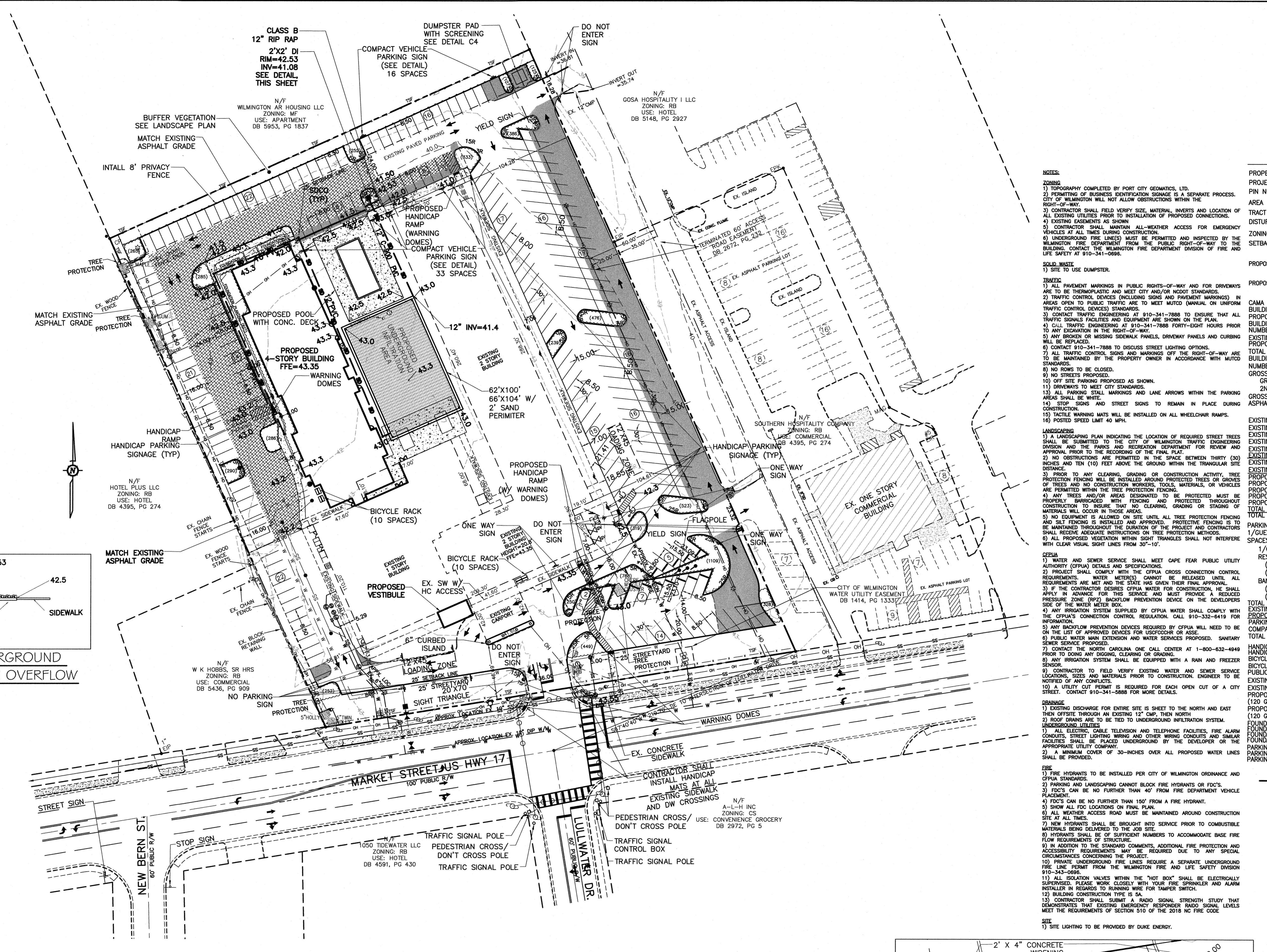
PROPERTY OWNER	
PROJECT ADDRESS	SERAJ ENTERPRISES, INC. 5001 MARKET STREET R04915-001-010-000
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DISTURBED AREA	2.28 AC
ZONING DISTRICT	RB: REGIONAL BUSINESS
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PROPOSED BUILDING SETBACK (VESTIBULE)	FRONT: 66.7' REAR: 124.8' SIDE: 24.8'
PROPOSED BUILDING SETBACK (HOTEL)	FRONT: - REAR: 65.9' SIDE: 66.0'
CAMA LAND USE	HOTEL
BUILDING USE	BUILDING USE
PROPOSED BUILDING AREA	5F
BUILDING LOT COVERAGE (53,483/193,914)	27.58%
NUMBER OF BUILDINGS	1
EXISTING UNITS	100
PROPOSED UNITS	107
TOTAL UNITS	207
BUILDING HEIGHT (HOTEL/VESTIBULE)	40' / 20'
NUMBER OF STORIES (HOTEL/VESTIBULE)	4 / 1
GROSS SF PER FLOOR (HOTEL)	
GROUND FLOOR	13,469 SF
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TOTAL ONSITE IMPERVIOUS SIDEWALK AREA	247 SF

PARKING REQUIRED:	
1/GUEST ROOM PLUS 50% OF THE REQUIRED SPACES FOR ANY ACCESSORY USES	
RESTAURANT	207
(1/80 SF MIN x 50% & 1/65 SF MAX x 50%)	
(2000 SF/80x50% & 2000 SF/65x50%)	13-15
BANQUET HALL	
(1/80 SF MIN x 50% & 1/65 SF MAX x 50%)	
(2575 SF/80x50% & 2575 SF/65x50%)	16-20
TOTAL PARKING REQUIRED	236-242
EXISTING SITE PARKING SPACES	232
PROPOSED PARKING	187
PARKING	49
COMPACT PARKING	236
TOTAL PARKING PROVIDED	7
HANDICAP SPACES REQUIRED	7
HANDICAP SPACES PROVIDED	15
BICYCLE PARKING REQUIRED	20
BICYCLE PARKING PROVIDED	15
PUBLIC WATER AND SEWER BY CFPWA	
EXISTING WATER FLOW:	13,200 GPD
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PROPOSED WATER FLOW:	27,324 GPD
(120 GPD PER ROOM x 207 ROOMS x 110%)	
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PARKING AREA PLANTING REQUIRED	83,718
PARKING AREA PLANTING PROVIDED	7,062

LEGEND	
	PROPERTY BOUNDARY
	LIGHT POLE
	CURB INLET
	UTILITY POLE
	OVERHEAD WIRE
	GAS ASSEMBLY
	TRAFFIC BOX
	WATER METER
	DROP INLET
	GUY WIRE
	SANITARY SEWER MANHOLE
	SEPTIC CLEANOUT
	BACKFLOW PREVENTER
	FIRE HYDRANT SIGN
	LARGE SIGN
	ELECTRIC APPARATUS
	UTILITY BOX
	IRRIGATION CONTROL VALVE
	PROPOSED SEWER
	PROPOSED WATER
	PROPOSED STORM WATER
	PROPOSED CONCRETE
	PROPOSED ASPHALT
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE
	ASPHALT/DEMO AND REGRADE
	RAIN TANK

TRIPP ENGINEERING, P.C.	
419 Chestnut Street	Wilmington, North Carolina 28401
Phone 910-763-5100	Fax 910-763-5631
PROGRESS DRAWING DO NOT USE FOR CONSTRUCTION	
DATE	02-08-19
DESIGN	PJT
DRAWN	JET
C3 SHEET 3 OF 7 17068	



Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

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SITE PLAN
BAR SCALE 1"=40'

2' x 4" CONCRETE WIDENING

CLASS B
12" RIP RAP
2'x2' DI
RIM=42.53
INV=41.08
SEE DETAIL, THIS SHEET

WILMINGTON AIR HOUSING LLC
ZONING: MF
USE: APARTMENT
DB 5953, PG 1837

N/F HOTEL PLUS LLC
ZONING: RB
USE: HOTEL
DB 4395, PG 274

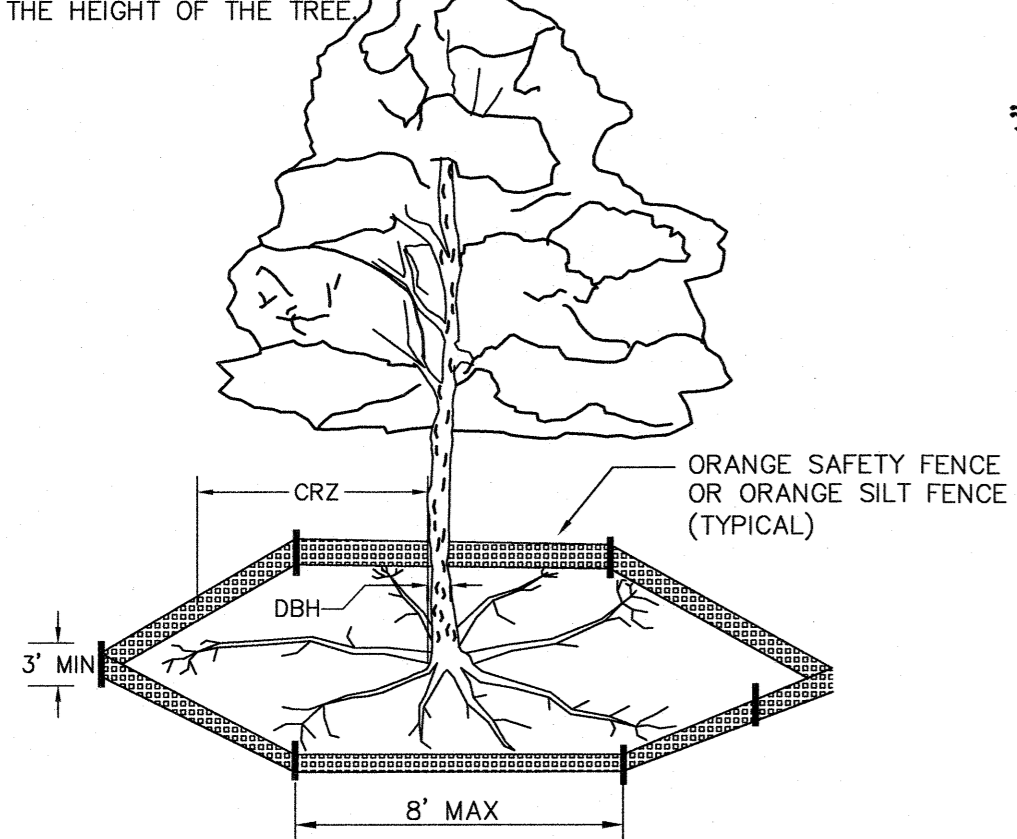
N/F W K HOBBS, SR HRS
ZONING: RB
USE: COMMERCIAL
DB 5436, PG 909

1050 TIDEWATER LLC
ZONING: RB
USE: HOTEL
DB 4591, PG 430

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____

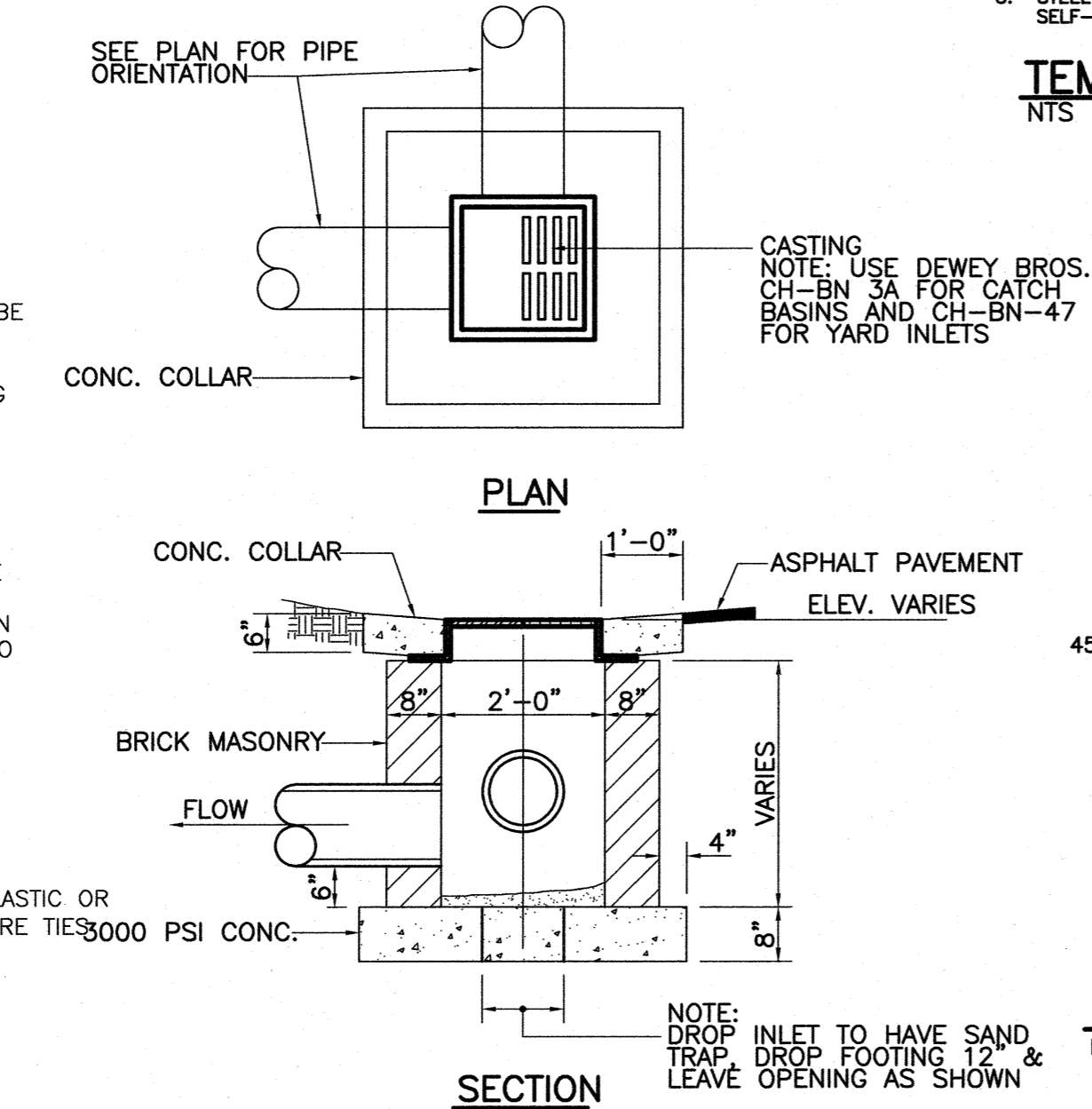
NOTE:
THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE.

NOTE:
CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISFIGURE CROWN WITH INTENSIVE PRUNING.



- PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
- CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
- IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
- WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
- FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES, DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
- FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

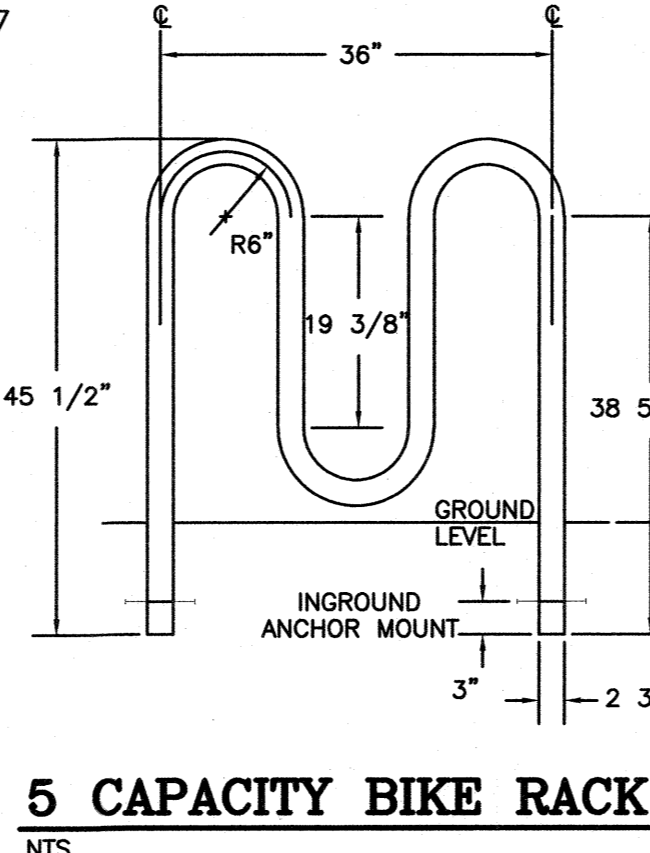
TURN DOWN SIDEWALK
NTS



- FENCE FABRIC SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY SPACING.
- FABRIC SHALL BE FOR EROSION CONTROL AND MIN. OF 36" IN WIDTH. FABRIC SHALL BE FASTENED ADEQUATELY TO THE WIRE FABRIC AS DIRECTED BY THE ENGINEER.
- STEEL POST SHALL BE 5"-0" IN HEIGHT AND BE OF THE SELF-FASTENER STEEL ANGLE TYPE.

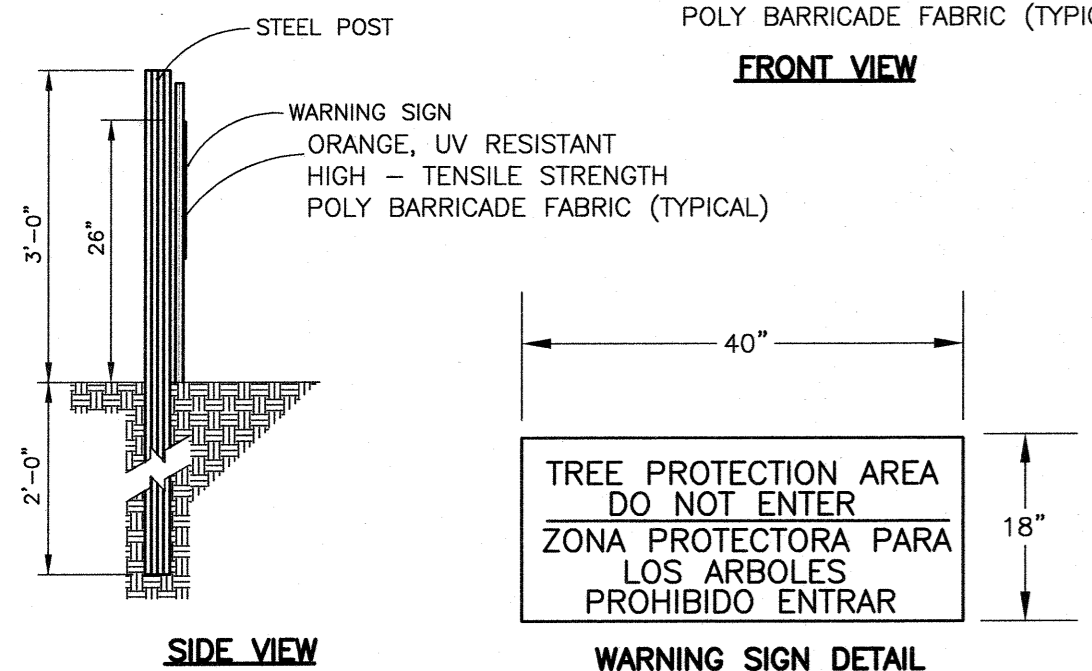
TEMPORARY SILT FENCE
NTS

DROP INLET DETAIL
NTS



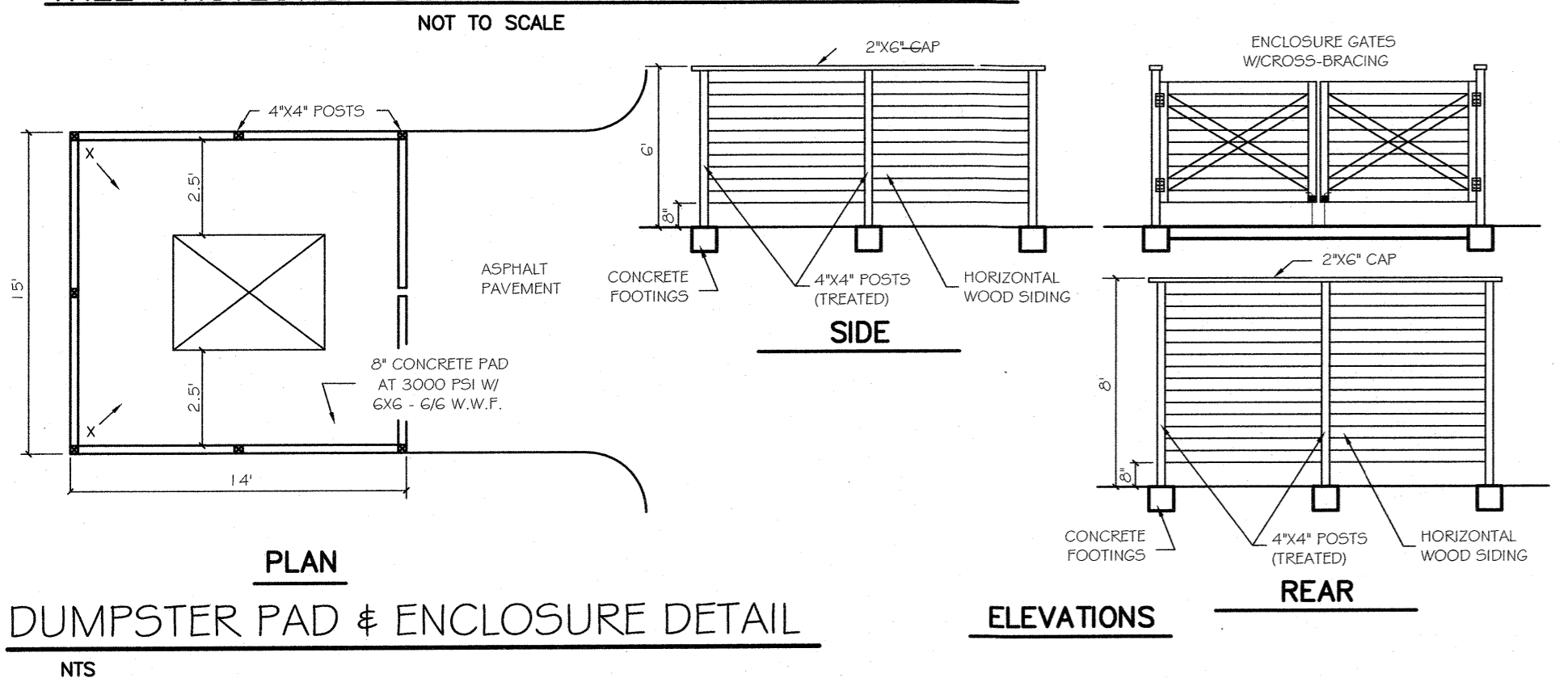
- JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
- SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
- MINIMUM SIDEWALK WIDTH TO BE 6" MINIMUM IF PLACED AT BACK OF CURB.
- CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "4" - 3,000 PSI.
- MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
- 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS.
- MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
- MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
- MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 8.3%. 10% IF EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

CITY OF WILMINGTON SIDEWALK SD 3-10
NTS

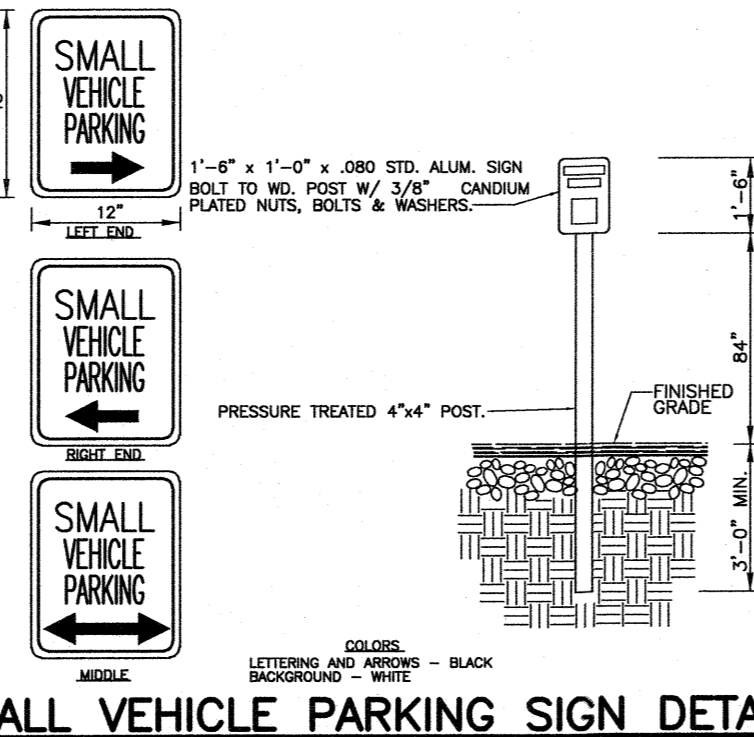


- THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
- WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
- SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
- ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
- TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
- ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

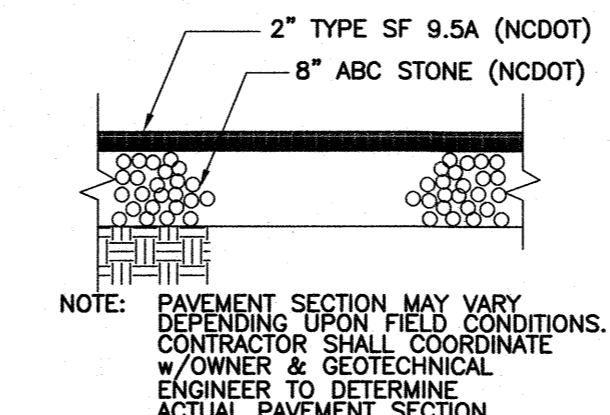
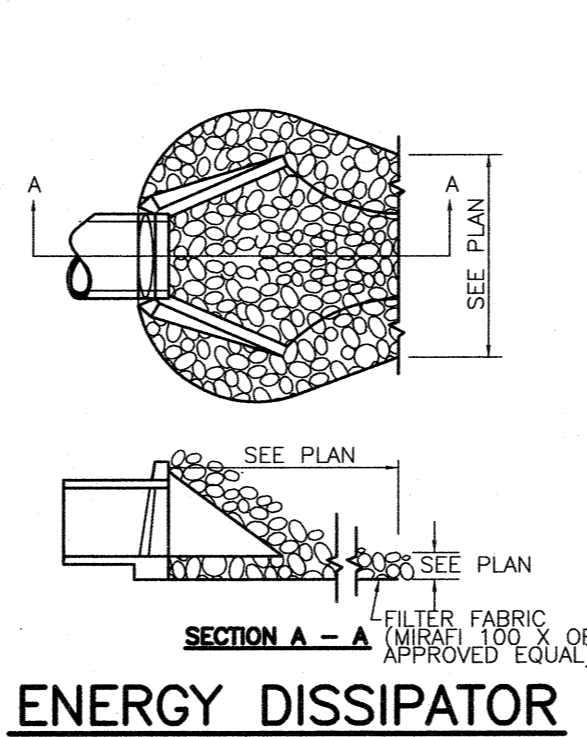
TREE PROTECTION DURING CONSTRUCTION SD 15-09
NOT TO SCALE



SMALL VEHICLE PARKING SIGN DETAIL
NTS



ENERGY DISSIPATOR
NTS



CITY OF WILMINGTON PAVEMENT SECTION
NTS

SITE AREA DESCRIPTION	STABILIZATION TIMEFRAME	STABILIZATION TIMEFRAME EXCEPTIONS
PERMETER DICES, SWALES, DITCHES	7 DAYS	NONE
HIGH QUALITY ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERMETERS AND FLOW ZONES)

NPDES GROUND STABILIZATION CRITERIA
NTS

SPRING-SUMMER PERMANENT GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acres)
FESTUCIA BRACHYPODES	50
PERCENSIS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
GRASS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
CORN MILET	200
SOY	200
ORANGE GRASS	200

SEEDING NOTES:
1. WHERE A NEAT APPEARANCE IS DESIRED, OAT SEEDS.
2. USE GRANULAR SEEDS ONLY ON SLOPED SITES WHERE IT CANNOT BE APPLIED BY BROADCASTING TOOL. USE GRANULAR SEEDS WITH A MACH ANCHORING TOOL.
3. USE GRANULAR SEEDS ONLY ON SLOPED SITES WHERE IT CANNOT BE APPLIED BY BROADCASTING TOOL. USE GRANULAR SEEDS WITH A MACH ANCHORING TOOL.

SEEDING DATES:
APRIL 1 - JUNE 15

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS. OR APPLY 3,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 50 lb/acre 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 lb/acre STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MACH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MACH ANCHORING TOOL.

MAINTENANCE:
REFER TO THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING.

FALL-WINTER PERMANENT GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acres)
FESTUCIA BRACHYPODES	50
PERCENSIS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
GRASS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
CORN MILET	200
SOY	200
ORANGE GRASS	200

SEEDING DATES:
OCTOBER 1 - APRIL 15

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS. OR APPLY 3,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 50 lb/acre 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 lb/acre STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MACH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MACH ANCHORING TOOL.

MAINTENANCE:
REFER TO THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING.

LATE WINTER & EARLY SPRING PERMANENT GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acres)
FESTUCIA BRACHYPODES	50
PERCENSIS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
GRASS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
CORN MILET	200
SOY	200
ORANGE GRASS	200

SEEDING DATES:
MARCH 1 - APRIL 15

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS. OR APPLY 3,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 50 lb/acre 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 lb/acre STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MACH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MACH ANCHORING TOOL.

MAINTENANCE:
REFER TO THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING.

TEMPORARY SUMMER GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acres)
FESTUCIA BRACHYPODES	50
PERCENSIS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
GRASS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
CORN MILET	200
SOY	200
ORANGE GRASS	200

SEEDING DATES:
MAY 15 - SEP 15

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS. OR APPLY 3,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 50 lb/acre 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 lb/acre STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MACH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MACH ANCHORING TOOL.

MAINTENANCE:
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TEMPORARY FALL GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb/acres)
FESTUCIA BRACHYPODES	50
PERCENSIS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
GRASS (KOBUS IN PLACEMENT OR COASTAL PLAIN)	50
CORN MILET	200
SOY	200
ORANGE GRASS	200

SEEDING DATES:
OCTOBER 1 - NOVEMBER 15

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS. OR APPLY 3,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 50 lb/acre 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 lb/acre STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MACH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MACH ANCHORING TOOL.

MAINTENANCE:
REFER TO THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING. REPEAT AS GROWTH REFLECTS THE FOLLOWING APPL WITHIN 30 DAYS FROM SEEDING.

Approved Construction Plan

Name: _____ Date: _____

Planning _____

Traffic _____

Fire _____

CITY OF WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

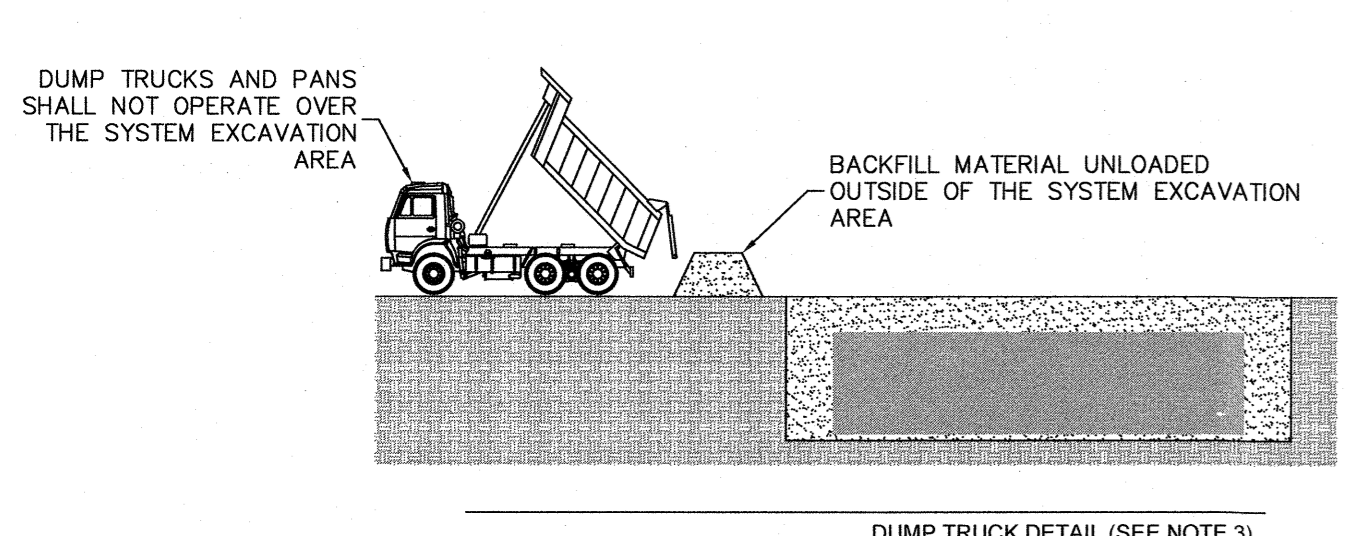
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

REVISIONS

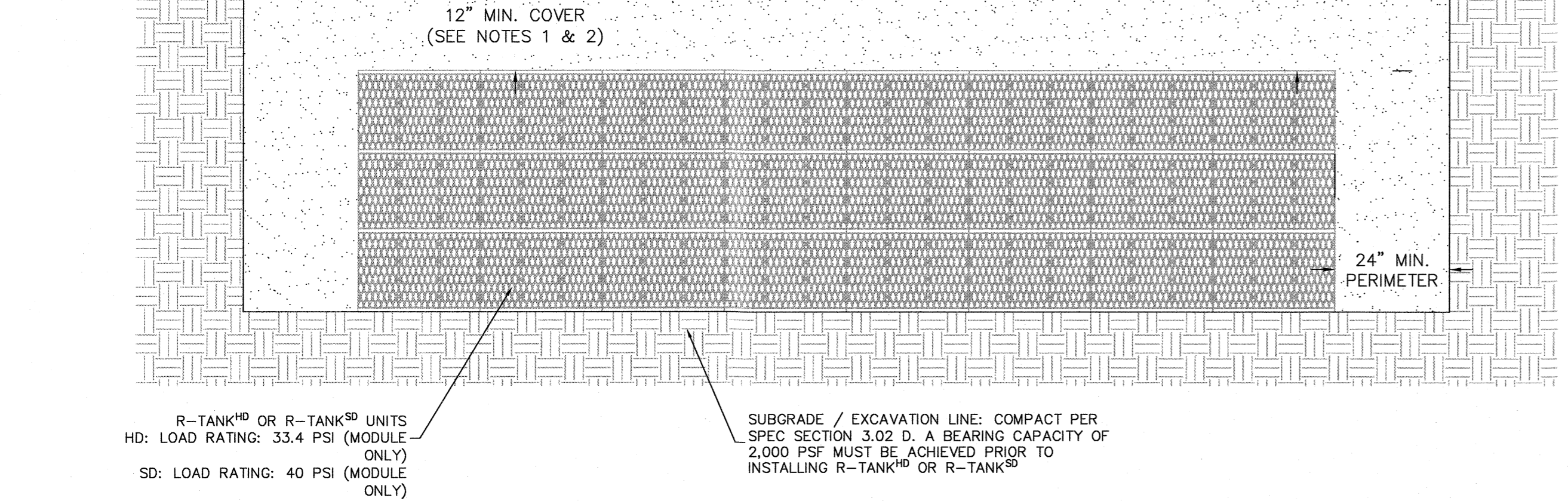
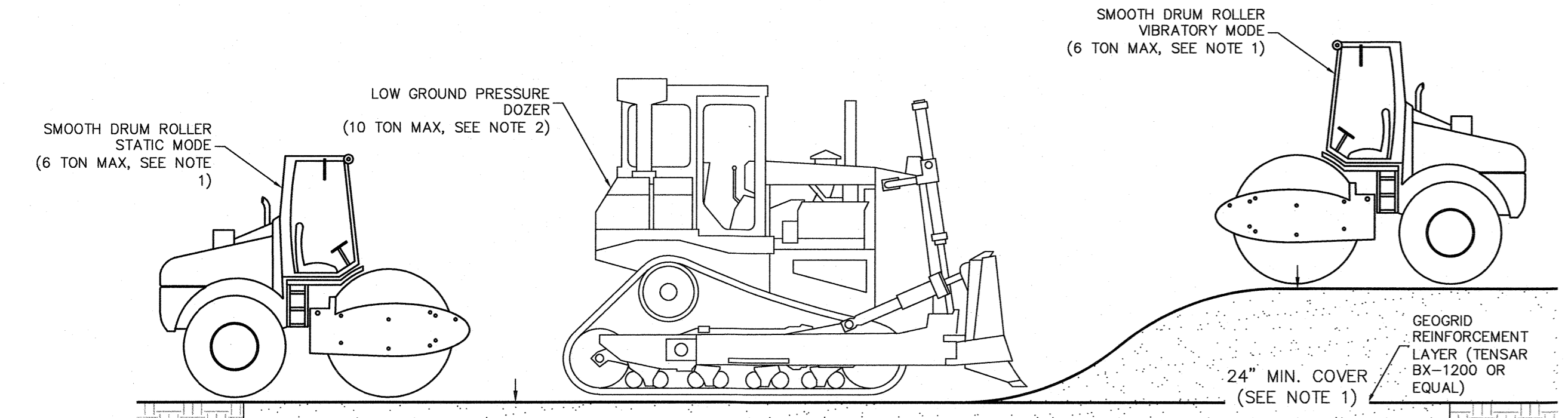
No.	Date	Description	By
4/05/19	RESPONSE LETTER REV	JET	JET
4/15/19	ADD DETAIL	JET	JET

TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Email trippengr@ec.rr.com

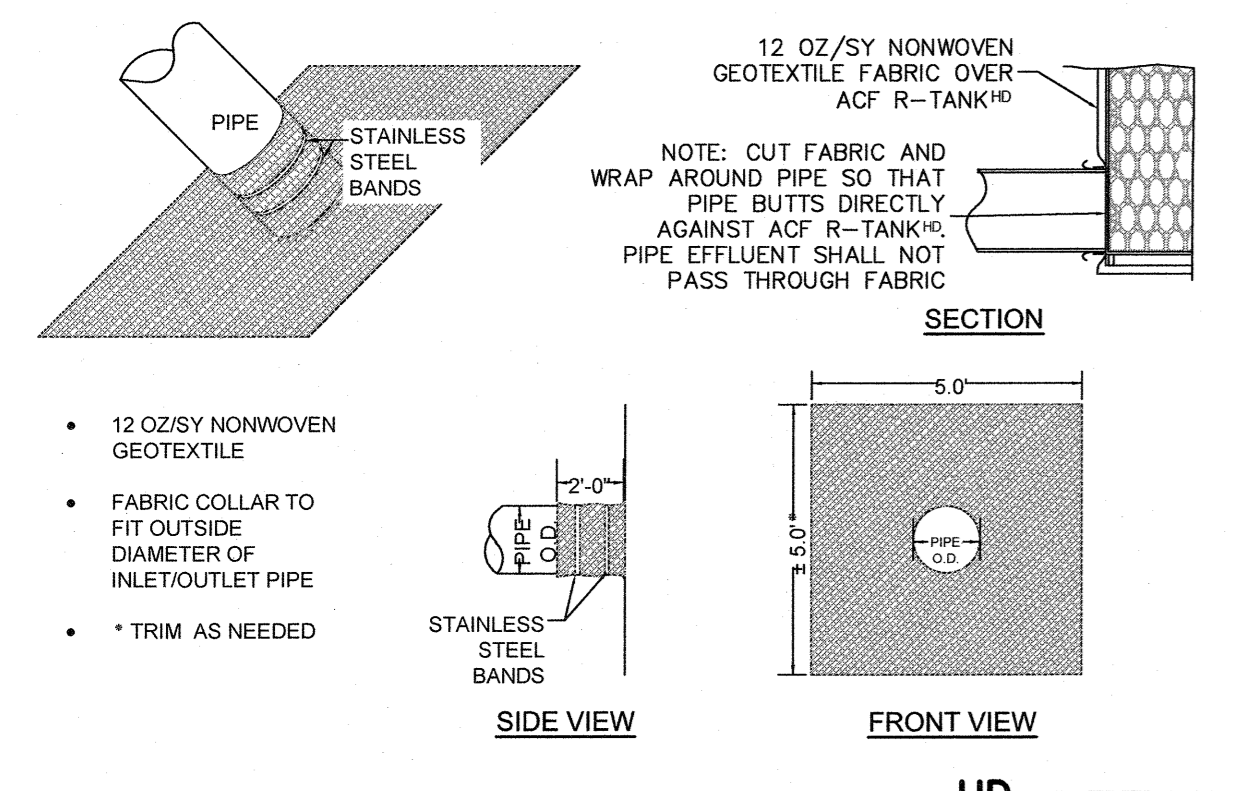
TRU & TAPESTRY HOTEL
5001 MARKET STREET
WILMINGTON, NORTH CAROLINA



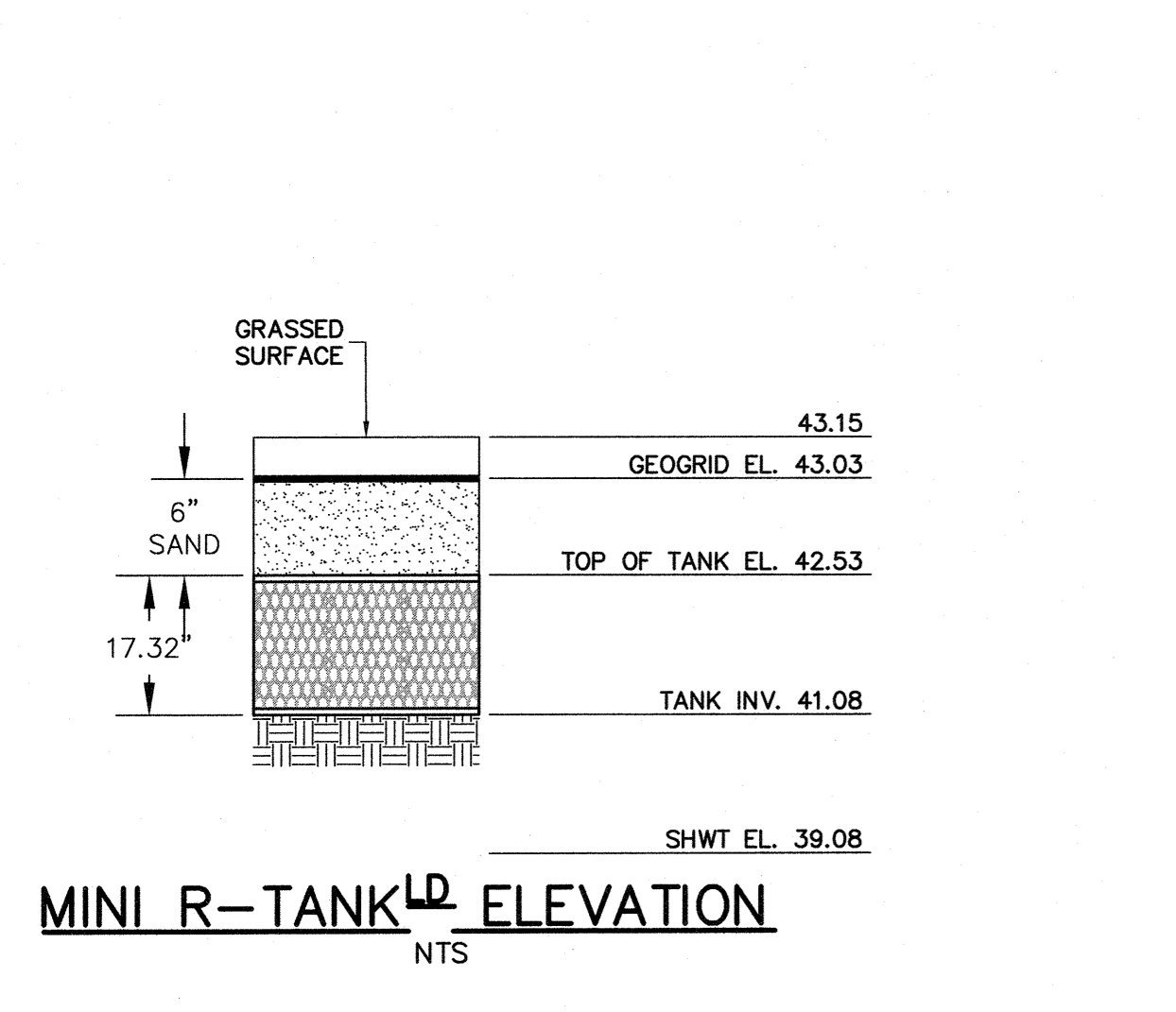
- NOTES:**
- FOLLOWING PLACEMENT OF SIDE BACKFILL, A UNIFORM 12" LIFT OF THE FREELY DRAINING MATERIAL (SPEC SECTION 3.05 B) SHALL BE PLACED OVER THE R-TANK AND LIGHTLY COMPACTED USING A WALK-BEHIND TRENCH ROLLER. ALTERNATELY, A ROLLER (MAXIMUM GROSS VEHICLE WEIGHT OF 6 TONS) MAY BE USED. ROLLER MUST REMAIN IN STATIC MODE UNTIL A MINIMUM OF 24" OF COVER HAS BEEN PLACED OVER THE MODULES. SHEEP FOOT ROLLERS SHOULD NOT BE USED. SPEC SECTION 3.05 A.
 - ONLY LOW PRESSURE TIRE OR TRACK VEHICLES (LESS THAN 7 PSI AND OPERATING WEIGHT OF LESS THAN 20,000 LBS) SHALL BE OPERATED OVER THE R-TANK SYSTEM DURING CONSTRUCTION. SPEC SECTION 3.05 B.
 - DUMP TRUCKS AND PANS SHALL NOT BE OPERATED WITHIN THE R-TANK SYSTEM AT ANY TIME WHERE NECESSARY, THE HEAVY EQUIPMENT SHOULD UNLOAD IN AN AREA ADJACENT TO THE R-TANK SYSTEM AND THE MATERIAL SHOULD BE MOVED OVER THE SYSTEM WITH TRACKED EQUIPMENT. SPEC SECTION 3.05 B.
 - ENSURE THAT ALL UNRELATED CONSTRUCTION TRAFFIC IS KEPT AWAY FROM THE LIMITS OF EXCAVATION UNTIL THE PROJECT IS COMPLETE AND FINAL SURFACE MATERIALS ARE IN PLACE. NO NON-INSTALLATION RELATED LOADING SHOULD BE ALLOWED OVER THE R-TANK SYSTEM UNTIL THE FINAL DESIGN SECTION HAS BEEN CONSTRUCTED (INCLUDING PAVEMENT). SPEC SECTION 3.05 C. SEE R-TANK INSTALLATION GUIDE OR CONTACT YOUR LOCAL ACF REPRESENTATIVE FOR ADDITIONAL INFORMATION.



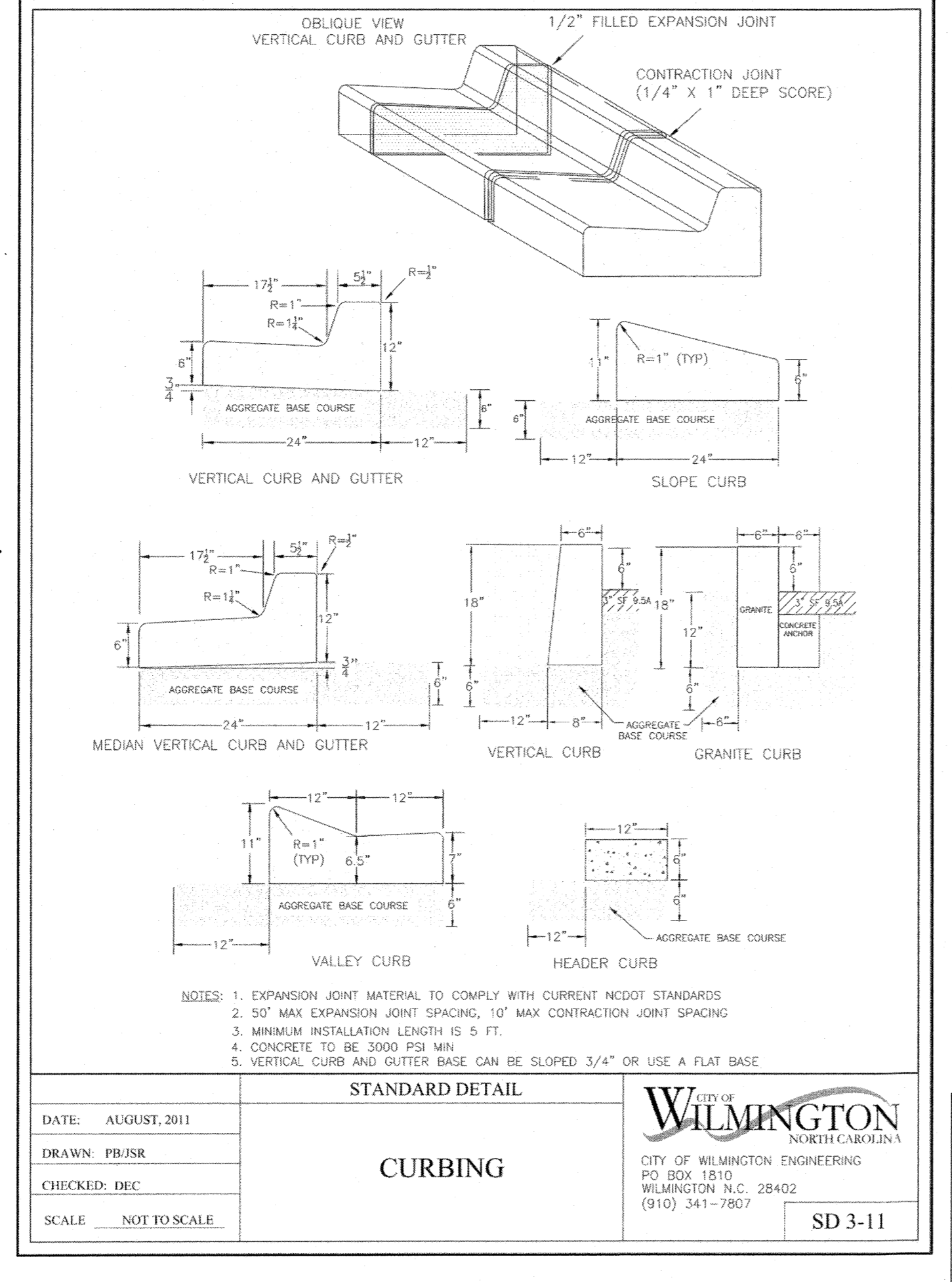
R-TANK^{HD} CONSTRUCTION EQUIPMENT COVER DETAIL
NTS



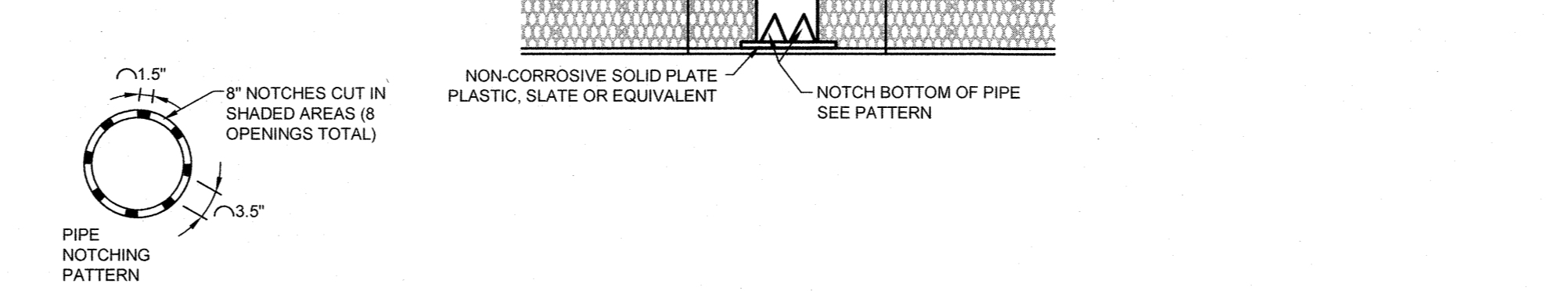
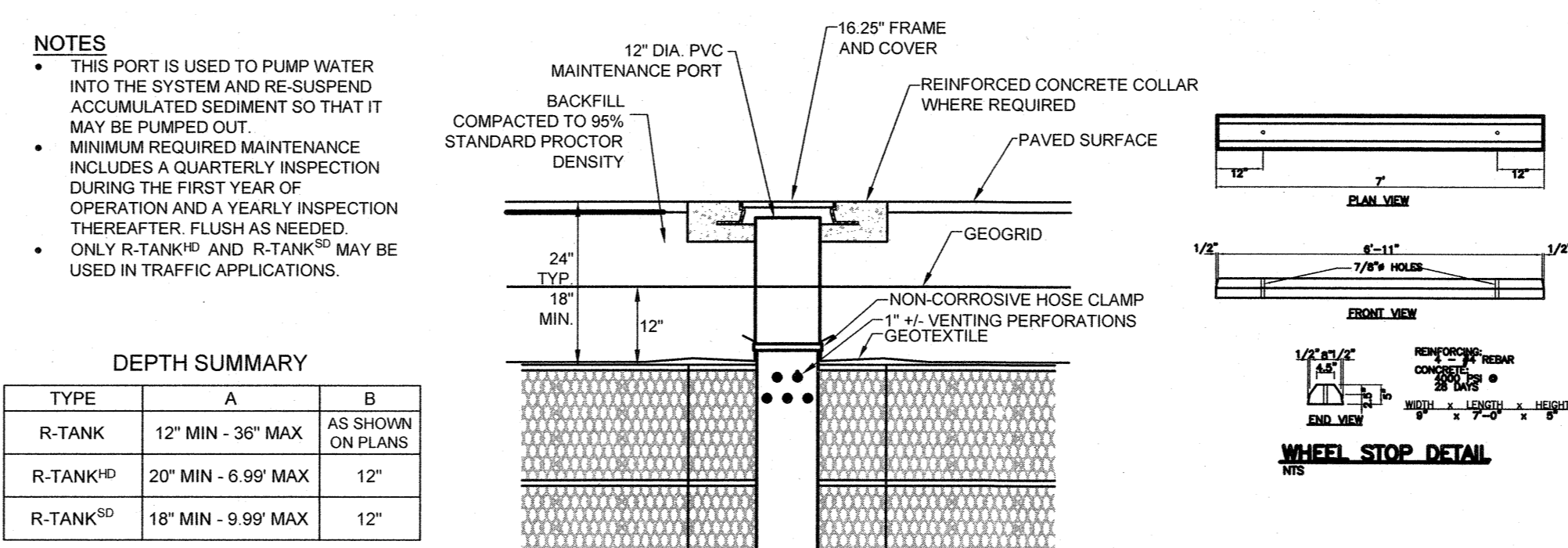
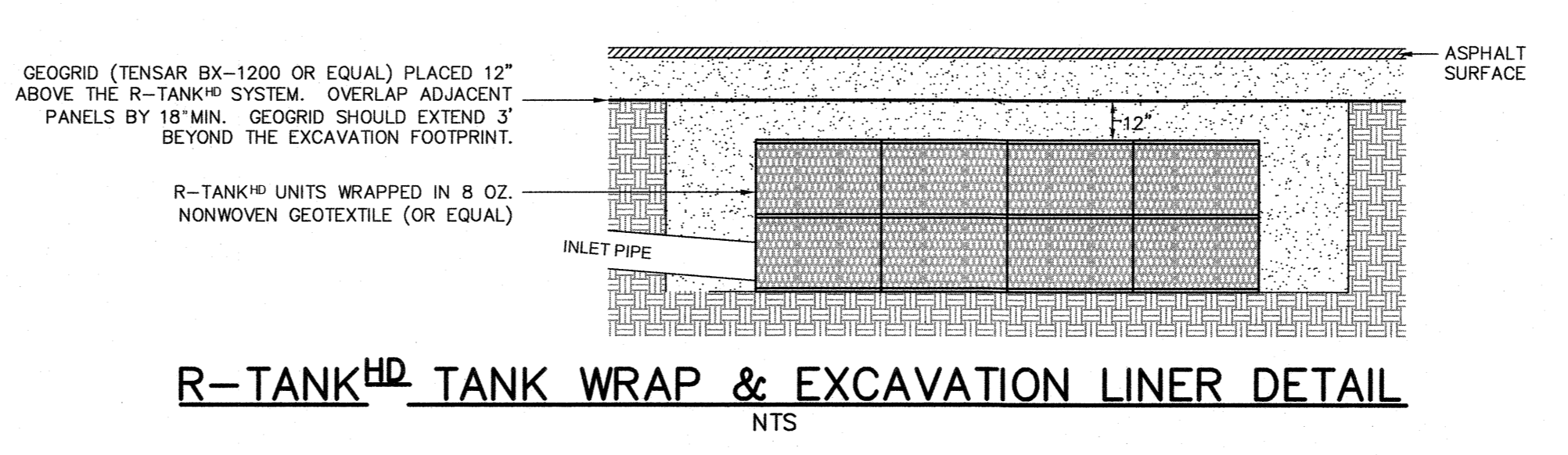
GEOTEXTILE BOOT FOR R-TANK^{HD} DETAIL
NTS



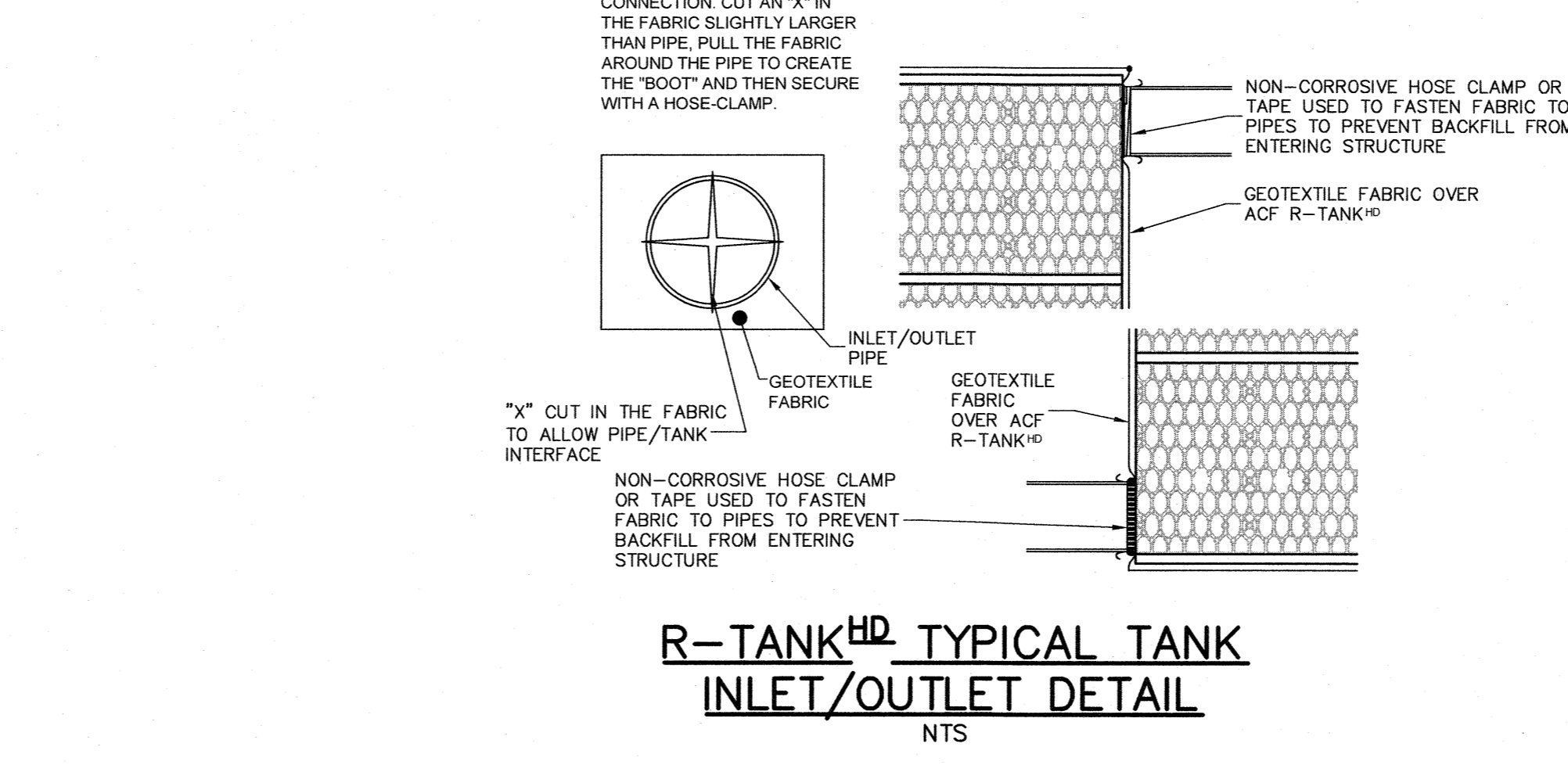
MINI R-TANK^{HD} ELEVATION
NTS



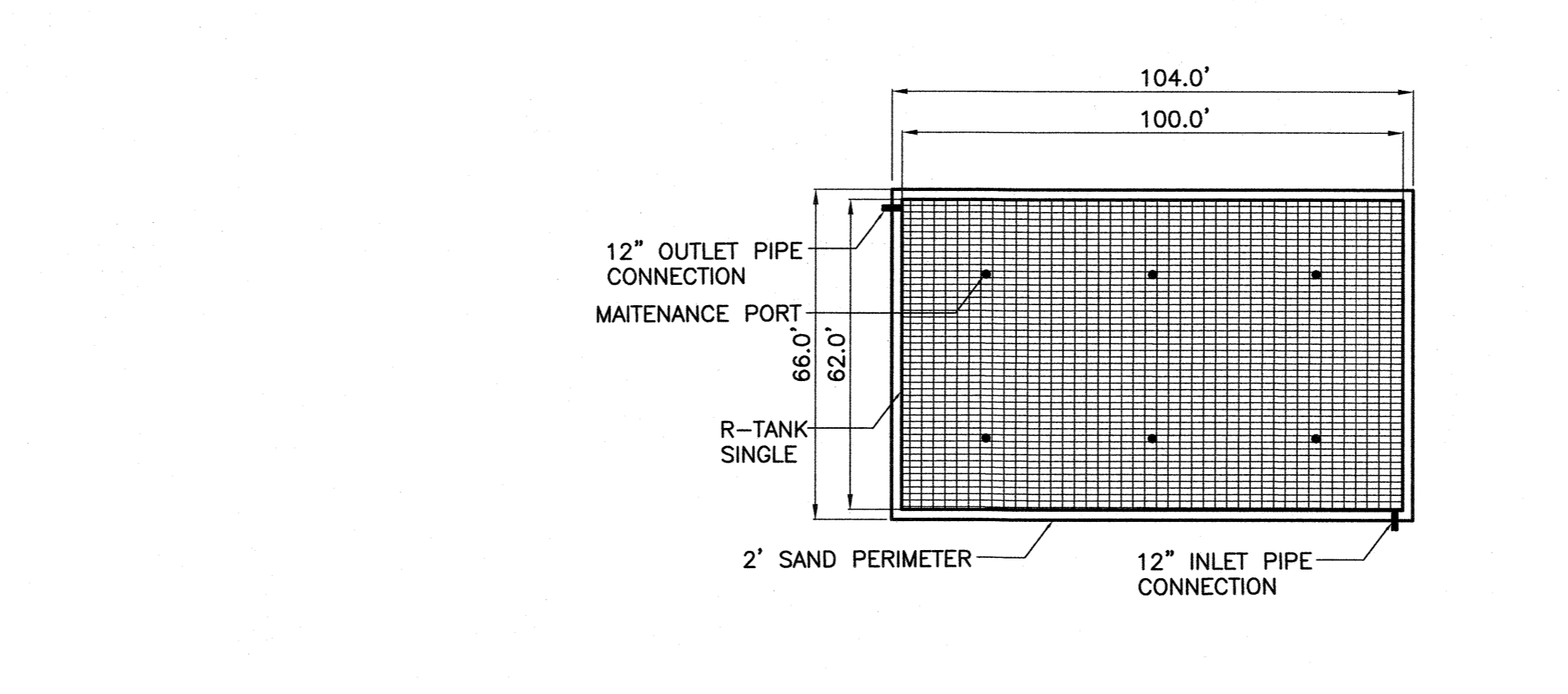
STANDARD DETAIL CURBING
DATE: AUGUST, 2011
DRAWN: PB/JSR
CHECKED: DEC
SCALE: NOT TO SCALE
CITY OF WILMINGTON NORTH CAROLINA
CITY OF WILMINGTON ENGINEERING
PO BOX 1810
WILMINGTON, N.C. 28402
(910) 341-7807
SD 3-11



R-TANK^{HD} TYPICAL MAINTENANCE PORT DETAIL
NTS



R-TANK^{HD} TYPICAL TANK INLET/OUTLET DETAIL
NTS



R-TANK^{HD} SYSTEM LAYOUT
1\"/>

Approved Construction Plan

Planning	Name	Date
Traffic		
Fire		

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Date: _____ Permit # _____
Signed: _____

- PART 1 - GENERAL**
- 1.01 Related Documents
 - A. Drawings, technical specification and general provisions of the Contract as modified herein apply to this section.
 - 1.02 Description of Work Included
 - A. Provide excavation and base preparation per geotechnical engineer's recommendations and/or as shown on the design drawings, to provide adequate support for project design loads and safety from excavation sidewall collapse. Excavations shall be in accordance with the owner's and BIDD requirements.
 - B. Provide and install R-Tank, R-Tank^{HD}, or R-Tank^{SD} system (hereafter called R-Tank) and all related products including fill materials, geotextiles, geogrids, inlet and outlet pipe with connections per the manufacturer's installation guidelines provided in this section.
 - C. Provide and construct the cover of the R-Tank system including stone backfill, structural fill cover, and pavement section as specified.
 - D. Protect R-Tank system from construction traffic after installation until completion of all construction activity in the installation area.
 - 1.03 Quality Control
 - A. All materials shall be manufactured in ISO certified facilities.
 - B. Installation Contractor shall demonstrate the following experience:
 1. A minimum of three R-Tank or equivalent projects completed within 2 years and.
 2. A minimum of three R-Tank or equivalent projects completed within 2 years.
 - C. Contractor experience requirement may be waived if the manufacturer's representative provides on-site training and review during construction.
 - D. Installation Personnel performed only by skilled workers with satisfactory record of performance on both earthworks, pipe, chamber, or pond/fillfill construction projects of comparable size and quality.
 - E. Contractor must have manufacturer's representative available for site review if requested by owner.
 - 1.04 Submittals
 - A. Submit proposed R-Tank layout drawings. Drawings shall include typical section details as well as the required base elevation of stone and tanks, minimum cover requirements and tank configuration.
 - B. Submit manufacturer's product data, including compressive strength and unit weight.
 - C. Submit manufacturer's installation instructions.
 - D. Submit R-Tank sample for review. Reviewed and accepted samples will be returned to the Contractor.
 - E. Submit material certificates for geotextile, geogrid, base course and backfill materials.
 - F. Submit material experience and personnel requirements as specified in Section 103.
 - G. Any proposed equal alternative product substitution to this specification must be submitted for review and approved prior to bid opening. Review package should include third party reviewed performance data that meets or exceeds criteria in Table 2.8 B.
 - 1.05 Delivery, Storage, and Handling
 - A. Protect R-Tank and other materials from damage during delivery, and store UV sensitive materials under tarp to protect from sunlight when the from delivery to installation exceeds two weeks. Storage of materials should be on smooth surfaces, free from dirt, mud and debris.
 - B. Handling is to be performed with equipment appropriate to the materials and site conditions, and may include hand, handcart, forklifts, extension lifts, etc.
 - C. Cold weather
 1. Care must be taken when handling plastics when air temperature is 40 degrees or below as plastic becomes brittle.
 2. Do not use frozen materials or materials that are coated with ice or frost.
 3. Do not build on frozen ground or wet, saturated or muddy subgrade.
 - 1.06 Preinstallation Conference
 - A. Prior to the start of the installation, a preinstallation conference shall occur with the representatives from the design team, the general contractor, the excavation contractor, the R-Tank installation contractor, and the manufacturer's representative.
 - 1.07 Project Conditions
 - A. Coordinate installation for the R-Tank system with other on-site activities to eliminate all non-installation related construction traffic over the completed R-Tank system. No loads heavier than the design loads shall be allowed over the system, and in no case shall loads higher than a standard ASTM H28 or H28S, depending on design criteria, load be allowed on the system for any time.
 - B. Protect adjacent work from damage during R-Tank system installation.
 - C. All pre-treatment systems to remove debris and heavy sediments must be in place and functional prior to operation of the R-Tank system. Additional pretreatment measures may be needed if unit is operational during construction to increase sedimentation.
 - D. Contractor is responsible for any damage to the system during construction.

PART 2 - PRODUCTS

2.01 R-Tank Units

- A. R-Tank - Injection molded plastic tank plates assembled to form a 95% void nodular structure of pre-designed height (custom for each project).
- B. R-Tank units shall meet the following Physical & Chemical Characteristics:

PROPERTY	DESCRIPTION	R-Tank ^{HD} VALUE	R-Tank ^{SD} VALUE	R-Tank ^{HD} VALUE
Used Area	Volume available for water storage	90%	90%	90%
Surface Void Area	Percentage of surface available for infiltration	90%	90%	90%
Compression Strength	ASTM D635 1/4\"/>			

- 2.02 Geotextiles
 - A. Geotextile: A geotextile envelope is required to prevent backfill material from entering the R-Tank nodules.
 - B. Standard Application: The standard geotextile shall be an 8 oz per square yard nonwoven geotextile (GCF #800 or equivalent).
 - C. Infiltration Applications: When water must infiltrate through the geotextile as a function of the system design, a woven nonwoven GCF #800 (or equivalent) shall be used.
 - D. Geogrid: For installations subject to traffic loads and/or when required by project plans, install geogrid GCF #802 (or equivalent) to reinforce backfill above the R-Tank system. Geogrid is often not required for non-traffic load applications.
- 2.03 Backfill & Cover Materials
 - A. Backfill Material: Stone (smaller than 1 1/2 in diameter) or soil (GV, SP, SW, or SP as classified by the Unified Soil Classification System) shall be used below the R-Tank system (7' minimum). Material must be free from lumps, debris, and any sharp objects that could cut the geotextile. Material shall be within 3 percent of the optimum moisture content but not less than 2 percent of the optimum moisture content as determined by ASTM #608 at the time of installation.
 - B. Side and Top Backfill: Free draining stone (smaller than 1 1/2 in diameter) or soil (GV, SP, SW, or SP as classified by the Unified Soil Classification System) shall be used adjacent to (24\"/>
- 2.04 Other Materials
 - A. Utility Markers: Install metallic tape at corners of R-Tank system to mark the area for future utility detection.

- PART 3 - EXECUTION**
- 3.01 Assembly of R-Tank Units
 - A. On-site assembly of tanks shall be performed in accordance with the R-Tank Installation Manual, Section 2.
 - 3.02 Layout and Excavation
 - A. Installer shall stake out, excavate, and prepare the subgrade area to the required plan grades and dimensions, ensuring that the excavation is at least 2 feet greater than R-Tank dimensions in each direction allowing for installation of geotextile filter fabric, R-Tank nodules, and free draining backfill material.
 - B. All excavations must be prepared with 100% approved excavated sides and sufficient working space.
 - C. Protect partially completed installation against future construction traffic by establishing a perimeter with high visibility construction tape, fencing, barricades, or other means until construction is complete.
 - D. Base of the excavation shall be uniform, level, and free of lumps or debris and soft or yielding subgrade areas. A minimum 2,000 pounds per square foot bearing capacity is required.
 1. Standard Applications: Compact subgrade to a minimum of 95% of Standard Proctor (ASTM #690) density or as required by the Owner's engineer.
 2. Infiltration Applications: Subgrade shall be prepared in accordance with the contract documents. Compaction of subgrade should not be performed in infiltration applications. Unsuitable Soils or Conditions: All questions about the base prior to the excavation shall be directed to the owner's engineer, who will approve the subgrade conditions prior to placement of stone. The owner's engineer shall determine the required bearing capacity of the R-Tank subgrade; however, in no case shall a bearing capacity of less than 2,000 pounds per square foot be provided.
 - E. If unstable soils are encountered at the subgrade, or if the subgrade is pumping or appears excessively soft, repair the area in accordance with contract documents and/or as directed by the owner's engineer.
 - F. If indications of the water table are observed during excavation, the engineer shall be contacted to provide recommendations.
 - G. Do not start installation of the R-Tank system until unsatisfactory subgrade conditions are corrected and the subgrade conditions are accepted by the owner's engineer.
 - 3.03 Preparation of Base
 - A. Place a thin layer (3\"/>

- 3.04 Installation of the R-Tank
 - A. Where a geotextile wrap is specified on the stone base, cut strips to length and install in excavation, removing wrinkles so material lays flat. Overlap geotextile a minimum 12\"/>
 - B. Where an inoperative liner (for containment) is specified, install the liner per manufacturer's recommendations and the contract documents. The R-Tank units shall be separated from inoperative liner by a non-woven geotextile fabric installed according to Section 3.04A.
 - C. Install R-Tank nodules by placing side by side, in accordance with the design drawings. No lateral connections are required. It is advisable to use a string line to form square corners and straight edges along the perimeter of the R-Tank system. Infiltration applications shall be oriented as per the design drawings (SD30 or SD350) with required depth as shown on plans. The large side plate of the tank should be placed on the perimeter of the system. This will typically require that the ends of the tank are well away from a face placed perpendicular to other tanks. If this is not shown in the construction drawings, it is a simple field adjustment that will have minimal effect on the overall system footprint. Refer to R-Tank Installation Guide for more details.
 - D. Wrap the R-Tank top and sides in specified geotextile. Cut strips of geotextile so that it will cover the sides and top, encapsulating the entire system to prevent soil entry into the system. Geotextile geogrid care to avoid damage to geotextile (and if specified, geotextile liner) during placement.
 - E. Identify locations of inlet, outlet and any other penetrations of the geotextile (and optional liner). These connections should be installed flush (flushed up to the R-Tank) and the geotextile fabric shall be cut to enable hydraulic continuity between the connections and the R-Tank units. These connections shall be secured using pipe bolts with stainless steel pipe clamps. Support pipe in trenches during backfill to prevent pipe from settling and damaging the geotextile, geogrid or liner. Connect pipes at 90 degree angles; facilitates construction, unless otherwise specified. Ensure end of pipe is installed snug against R-Tank system.
 - F. Install Inspection and Maintenance Ports in locations noted on plans. At a minimum one maintenance port shall be installed within 10' of each inlet & outlet connection, and with a minimum spacing of one maintenance port for every 230 square feet. Install all ports as noted in the R-Tank Installation Guide.
 - G. If required, install ventilation pipes and vents as specified on drawings to provide ventilation for proper hydraulic performance. The number of pipes and vents all depend on the size of the system. Vents are often installed using a 90 degree elbow with PVC pipe into a landscaped area with 10' sand or venting material to inhibit the ingress of debris. A ground level concrete or steel cover can be used.
- 3.05 Backfilling of the R-Tank Units
 - A. Backfill and fill with recommended materials as follows:
 1. Place freely draining backfill material (Section 2.03 B) around the perimeter in lifts with a maximum thickness of 12\"/>
 - B. Each lift shall be compacted to the specified moisture content to a minimum of 95% of the Standard Proctor Density until no further densification is observed (for self-compacting stone materials). The side lifts must be compacted with walk behind compaction equipment. Even when self-compacting backfill materials are selected, a walk behind vibratory compactor must be used.
 - C. Take care to ensure that the compaction process does not come into contact with the nodules due to the potential for damage to the geotextile and R-Tank units.
 - D. No compaction equipment is permissible to operate directly on the R-Tank nodules.
 - E. Following placement of side backfill, a uniform 12\"/>
- F. Following placement and compaction of the initial cover, subsequent lifts of standard fill (Section 2.03 B) shall be placed at the specified moisture content and compacted to a minimum of 95% of the Standard Proctor Density and shall cover the entire footprint of the R-Tank system. During placement of fill above the system, unless otherwise specified, a uniform elevation of fill shall be maintained to within 12\"/>
- G. Place additional layers of geotextile and/or geogrid at elevations as specified in the design details. Each layer of geotextile/geogrid reinforcement placed above the R-Tank system shall extend a minimum of 3 feet beyond the limits of the excavation wall.
- H. Only low pressure tire or truck vehicles shall be operated over the R-Tank system during construction. No machinery should be used on top of the tank until a minimum of 18\"/>
- I. Backfill and compaction is achieved. Dump Trucks and Pans shall not be operated within the R-Tank system footprint at any time. Where necessary the heavy equipment shall unload in an area adjacent to the R-Tank system and the material should be moved over the system with tracked equipment.
- J. Ensure that all unrelated construction traffic is kept away from the limits of excavation until the project is complete and final surface materials are in place. No non-installation related loading should be allowed over the R-Tank system until the final design section has been constructed (including pavement).
- K. Place surface materials, such as groundcovers (no large trees), or paving material over the structure with care to avoid displacement of cover fill and damage to the R-Tank system.
- L. Backfill depth over R-Tank system must be within the limitations shown in the table in Section 2.8 B. If the total backfill depth does not comply with this table, contact engineer or manufacturer's representative for assistance.

- PART 4 - USING THE SYSTEM**
- 4.01 Maintenance Requirements
 - A. A routine maintenance effort is required to ensure proper performance of the R-Tank system. The maintenance program should be focused on pretreatment systems. Ensuring these structures are clean and functioning properly will reduce the risk of contamination of the R-Tank system and stormwater released from the site. Pre-treatment systems shall be inspected yearly, or as directed by the regulatory agency and the manufacturer or the manufacturer's representative (for proprietary systems) or following manufacturer's guidelines (for proprietary systems).
 - B. Inspection and Maintenance Parts in the R-Tank system will need to be inspected for accumulation of sediments at least quarterly during the first year of operation and at least yearly thereafter. The maintenance program will be initiated by removing the top of the port and using a reservoir device long enough to reach the bottom of the R-Tank system and sufficient to push through the loose sediments, allowing a depth measurement.
 - C. If sediments has accumulated to the level noted in the R-Tank Maintenance Guide or beyond a level acceptable to the Owner's engineer, the R-Tank system should be flushed. A flushing event consists of pumping water into the Maintenance Port and/or adjacent structure, allowing the turbulent flows through the R-Tank system to re-suspend the fine sediments. If multiple Maintenance Ports have been installed, water should be pumped into each port to maximize flushing efficiency. Sediment-laden water can be filtered through a string or approved equivalent if permitted by the locality.

REVISIONS

No.	Date	Description	By
4/05/19	ADD RAIN TANK DET	JET	JET
6/6/19	REV. RAIN TANK DET	JET	JET

DETAILS AND NOTES

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Wilmington, North Carolina 28401
Phone 910-763-5100
Email: tripping@ec.rr.com
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TRU & TAPESTRY HOTEL
5001 MARKET STREET
WILMINGTON, NORTH CAROLINA

PROGRESS DRAWING
DO NOT USE FOR CONSTRUCTION

DATE: 02-08-19
DESIGN: PGT
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